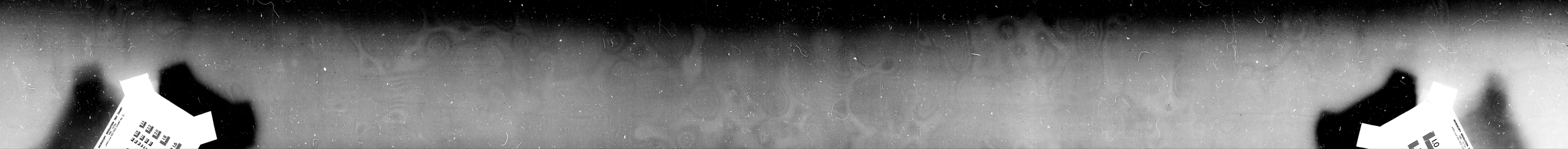


I 49.89:82-47-1/map C 11

VALDOSTA, GEORGIA–FLORIDA

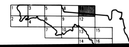
30 X 60 MINUTE SERIES (TOPOGRAPHIC)

MAP C11

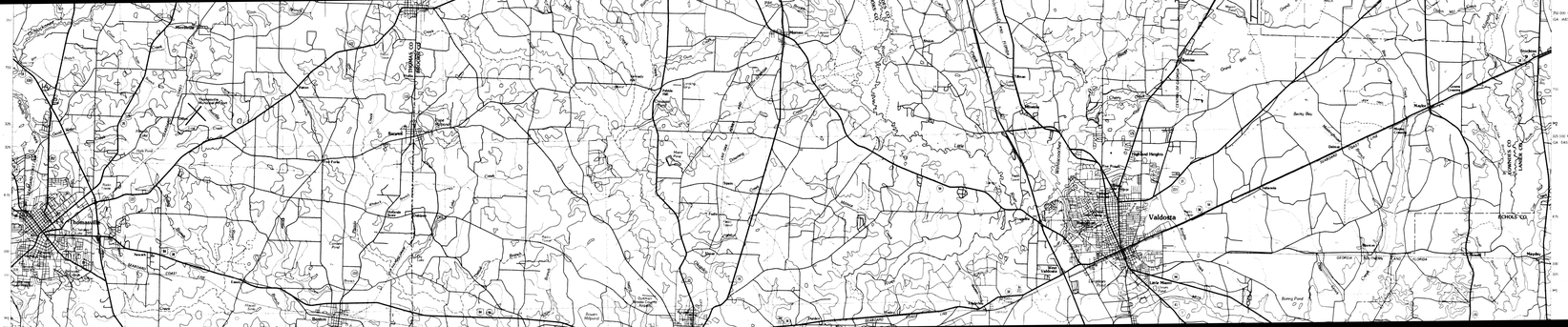
Valdosta

FLORIDA ECOLOGICAL ATLAS

SOILS AND LANDFORMS



MMS 85-0011
FWS/OBS-82/47.1



ORIGINAL

Scale 1:100 000

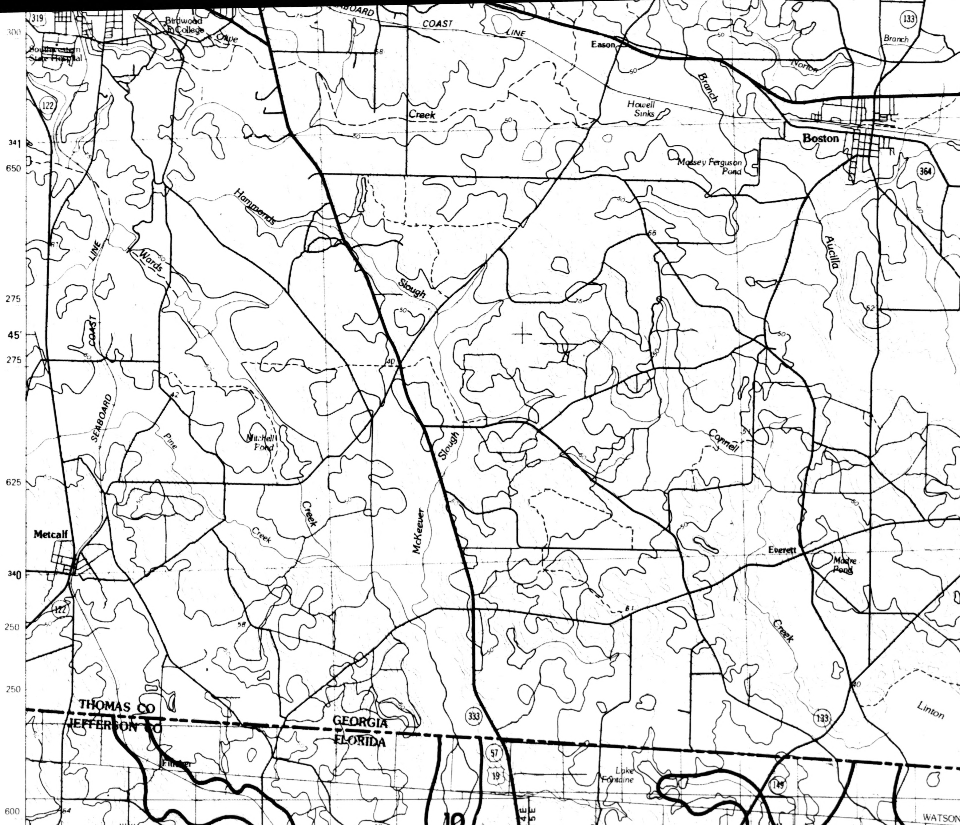
TOPICAL MAPS IN THIS ATLAS:

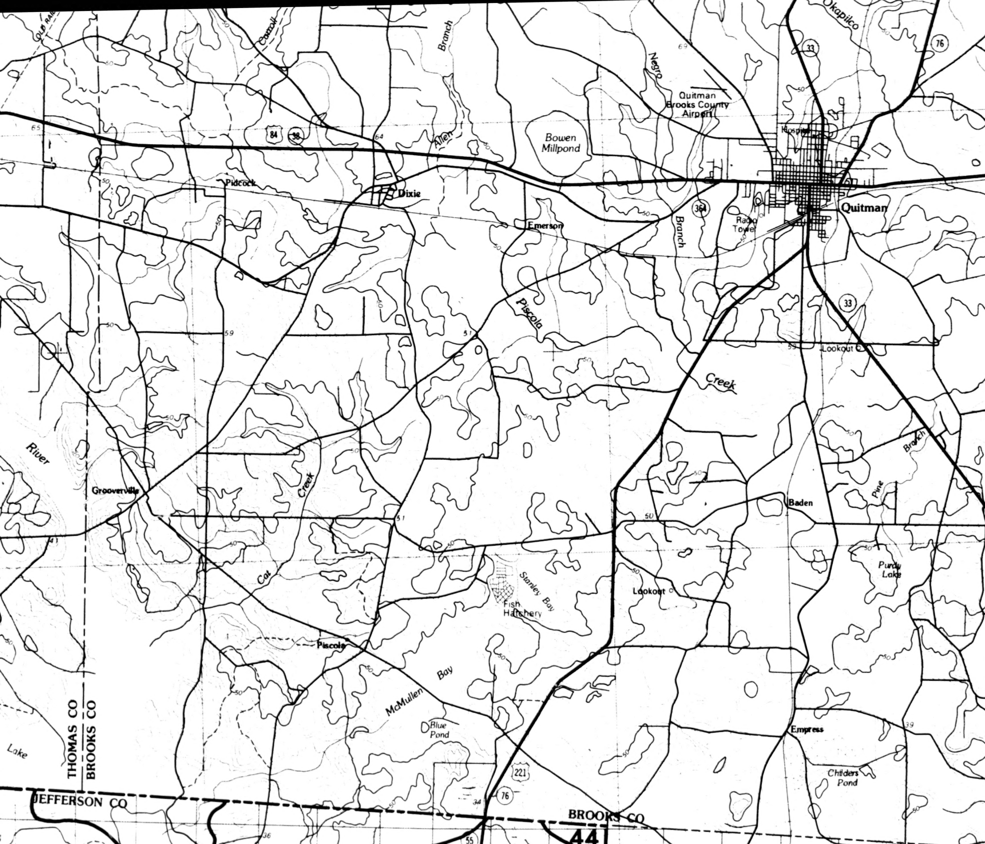
A. BIOLOGICAL RESOURCES
B. SOCIOECONOMIC FEATURES
C. SOILS AND LANDFORMS
D. OIL, GAS AND MINERALS
E. HYDROLOGY AND CLIMATOLOGY

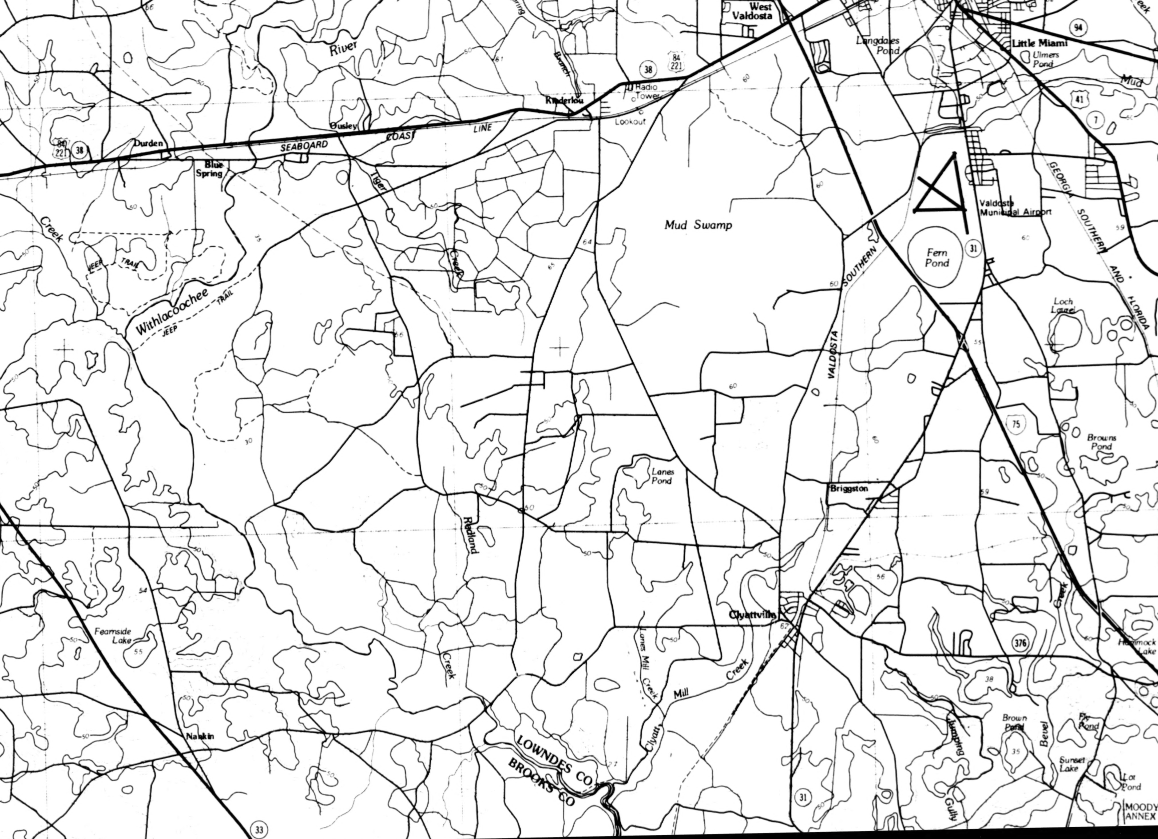
1984

Produced by U.S. Fish and Wildlife Service and Minerals Management Service

Projection and 10,000 meter grid, zone 17, Universal


300
341
650
275
45′
275
625
340
250
250
600
319
Birdwood College
Olive
Southwestern State Hospital
SEABOARD
COAST
LINE
58
Eason
133
Branch
Norton
Branch
Howell Sinks
Creek
50
122
Boston
Massey Ferguson Pond
364
Hammonds
Wards
LINE
Slough
Aucilla
66
75
52
COAST
40
42
SEABOARD
Pine
Mitchell Pond
Slough
Connell
51
Creek
Creek
McKeever
Metcalf
Everett
Madre Pond
122
61
58
Creek
Linton
THOMAS CO
JEFFERSON CO
GEORGIA
FLORIDA
333
133
57
19
Lake Fontaine
149
4E
5E
10
WATSON


OLD RAIL
Carroll
Branch
Negro
Okapilco
33
76
69
Quitman
Brooks County
Airport
Hospital
Bowen
Millpond
Allen
84
38
64
65
Pidcock
Dixie
Emerson
364
Branch
Radio
Tower
Quitman
Piscola
33
Lookout
59
51
Creek
River
Grooverville
Creek
Cat
Baden
Pine
Branch
Purdy
Lake
Stanley Bay
Fish
Hatchery
Lookout
Piscola
McMullen
Bay
Blue
Pond
Empress
Childers
Pond
39
THOMAS CO
BROOKS CO
Lake
JEFFERSON CO
BROOKS CO
221
76
34
55
44
36
50


West Valdosta
River
Branch
Kinderlou
Radio Tower
Lookout
Ousley
Durden
Blue Spring
SEABOARD COAST LINE
84
221
38
Tiger Creek
Langdales Pond
Little Miami
Ulmers Pond
Mud
94
41
7
GEORGIA SOUTHERN AND FLORIDA
Valdosta Municipal Airport
Fern Pond
31
Mud Swamp
Creek
Withlacoochee
JEEP TRAIL
JEEP TRAIL
VALDOSTA SOUTHERN
Loch Laurel
75
Browns Pond
Lanes Pond
Briggston
Redland
Creek
Clyattville
376
Hammock Lake
Fearnside Lake
Lanes Mill Creek
Clyatt Mill Creek
Nankin
LOWNDES CO
BROOKS CO
Jumping Gully
Brown Pond
Bevel Creek
Fly Pond
Sunset Lake
Lot Pond
MOODY ANNEX
33
31

Boring Pond
Creek
Grand Bay
Creek
Creek
Rentz
Branch
Branch
135
River
129
11
Martin
Branch
Cranford
Branch
Dasher
Creek
Carney
Branch
Twin Lakes
Long
Pond
Dykes Pond
Carter Pond
Creek
Lake Park
Francis Lake
Pond
Ocean
Pike Pond
Enoch
LOWNDES CO
ECHOLS CO
Alapahoochee
376
Lookout
Statenville
94
Alapaha
Knights
Branch
Branch
Long
Zeigler
AFB
300
341
650
275
275
45′
340
625
250
250
50
49
47
45
43
40
35

Sa

Produced by U.S. Fish and Wildlife
Service and Minerals Management Service

Projection and 10,000 meter grid, zone 17: Universal Transverse Mercator
25,000-foot grid ticks based on Florida coordinate system, west zone

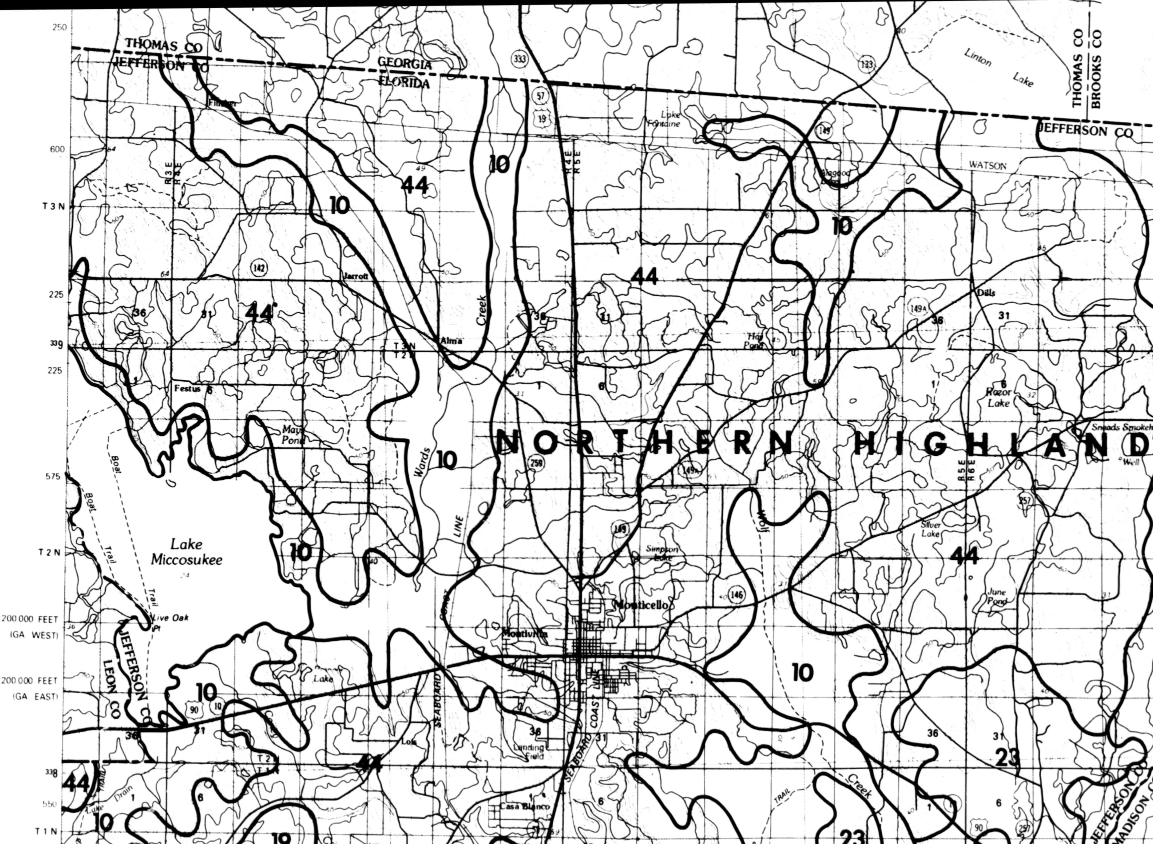
Overlay material compiled in 1983 from latest available data obtained from Federal, State and Local government agencies and other sources.

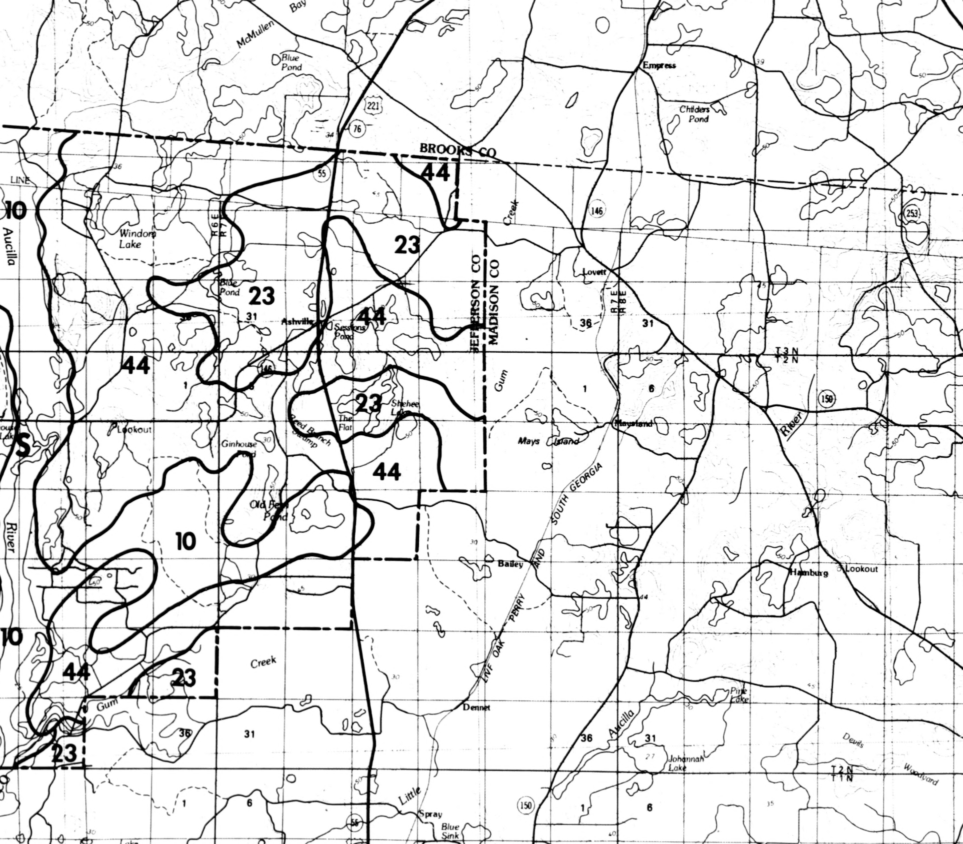
MAJOR SURFACE LANDFORMS

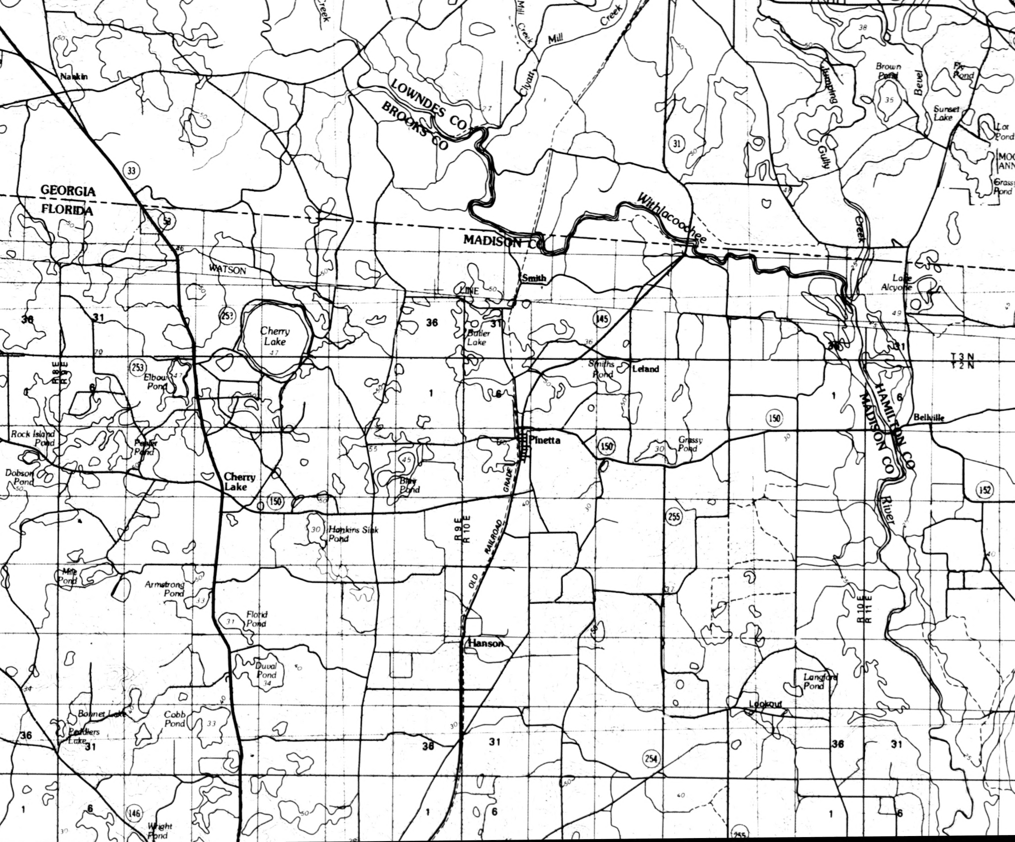
Western Highlands
Escambia Valley
Gulf Coastal Lowlands
Gulf Barrier Chain
Marianna Lowlands
New Hope Ridge
Greenhead Slope
Fountain Slope
Grand Ridge
Northern Highlands
Coastal Swamps
Brooksville Ridge
Western Valley

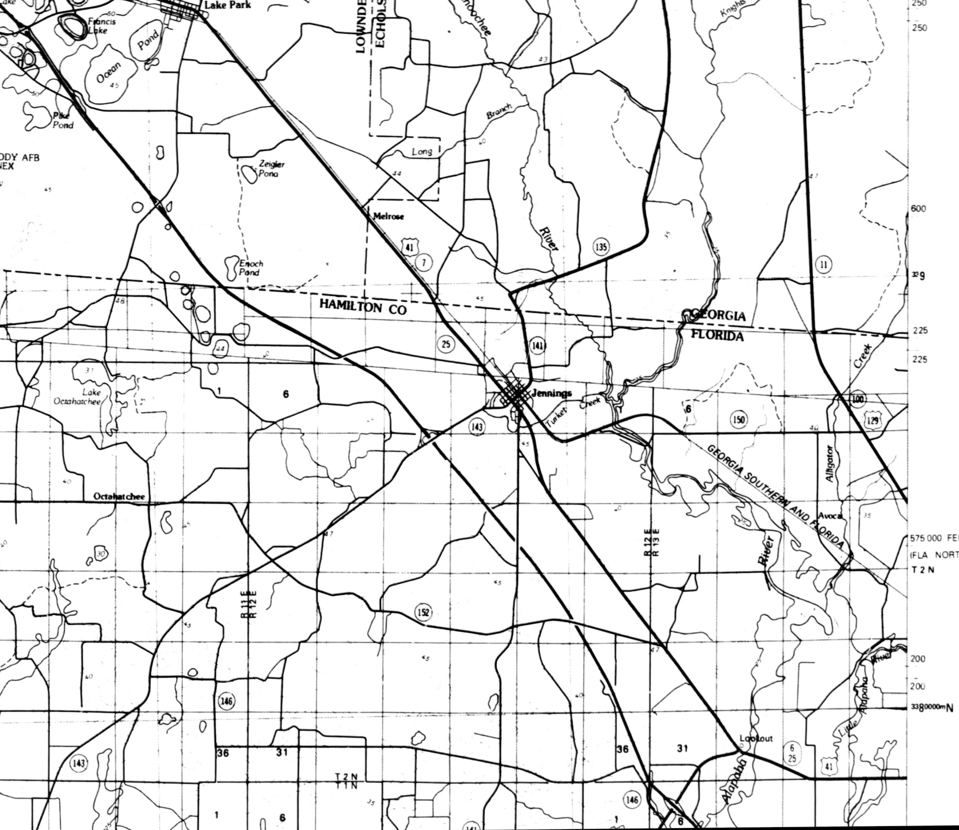
SOIL ASSOCIATIONS

1. Lakeland-Eustis-Lakewood Association
2. Lakeland, Ruston, and Norfolk-Sunsweet, Carnegie and Cuthbert Association
3. Red Bay-Blakely Association
4. Tifton-Carnegie-Faceville Association
5. Norfolk-Ruston-Savannah Association
6. Tifton-Irvington-Lynchburg Association
7. Klej-Leon Association
8. Huckabee-Kalmia-Izagota Association
9. Coastal Dune Land and Beach-Tidal Marsh Association
10. Plummer-Rutlege-Alluvial Land-Fresh Water Swamp-Dorovan-Pamlico Association
11. Lakeland-Paola-Kureb-St. Lucie-Rimini Association
12. Lakeland-Troup Association
13. Troup-Orangeburg Association
14. Dothan-Orangeburg Association


250
600
T 3 N
225
339
225
575
T 2 N
200 000 FEET (GA WEST)
200 000 FEET (GA EAST)
338
550
T 1 N
THOMAS CO
JEFFERSON CO
GEORGIA
FLORIDA
Flintier
333
133
57
19
Linton Lake
THOMAS CO
BROOKS CO
JEFFERSON CO
Lake Fontaine
149
WATSON
Algood Lake
R 3 E
R 4 E
R 4 E
R 5 E
R 5 E
R 6 E
T 3 N
T 2 N
T 2 N
T 1 N
10
44
142
Jarrott
Creek
Alma
Dills
149A
36
31
11
Hay Pond
1
6
Festus
Razor Lake
Mays Pond
Wards
Sneads Smokehouse
NORTHERN HIGHLANDS
Well
259
149A
Boat Trail
Wolf
257
Silver Lake
LINE
Lake Miccosukee
149
Simpson Lake
Live Oak Pt
146
June Pond
Monticello
Montivilla
LEON CO
JEFFERSON CO
Lake
SEABOARD
COAST LINE
90
10
Lois
Landing Field
23
Creek
TRAIL
Drain
Lake
Casa Blanco
19
JEFFERSON CO
MADISON CO

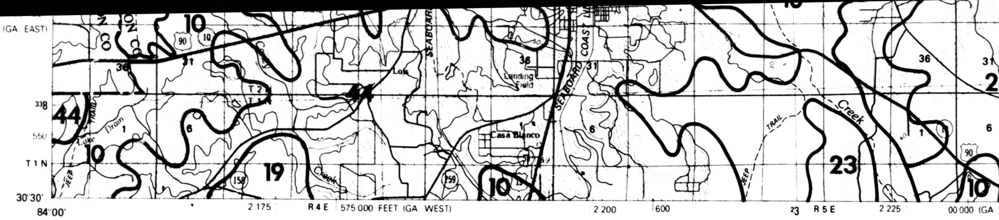

McMullen Bay
Blue Pond
Empress
Childers Pond
221
76
34
BROOKS CO
LINE
55
44
23
10
Aucilla
Windom Lake
R6E R7E
Blue Pond
23
31
Ashville
Sessions Pond
44
146
Creek
JEFFERSON CO
MADISON CO
Lovett
R7E R8E
36
31
253
146
T3N T2N
44
1
6
23
Shehee Lake
The Flat
Reed Branch Swamp
Gum
1
6
150
Maysland
Mays Island
Lookout
S
Ginhouse Pond
44
River
SOUTH GEORGIA
Old Field Pond
10
River
AND
PERRY
LIVE OAK
Bailey
Hamburg
Lookout
10
44
23
Creek
Gum
23
36
31
Dennet
36
31
Aucilla
Pine Lake
Devils
Woodyard
Johannah Lake
T2N T1N
1
6
Little
Spray
Blue Sink
55
150
1
6
50
30
45
35
27
40
39


Naskin
Creek
Mill Creek
Mill Creek
Clyatt
LOWNDES CO
BROOKS CO
33
GEORGIA
FLORIDA
53
WATSON
LINE
MADISON CO
Smith
Withlacoochee
31
Jumping Gully Creek
Brown Pond
Bevel
Fly Pond
Sunset Lake
Lot Pond
MOO
ANN
Grassy Pond
Lake Alcyone
253
Cherry Lake
Butler Lake
145
36
31
Elbow Pond
Smiths Pond
Leland
T 3 N
T 2 N
HAMILTON CO
MADISON CO
Bellville
1
6
150
Pinetta
Grassy Pond
Rock Island Pond
Peeler Pond
Dobson Pond
Cherry Lake
Bay Pond
152
River
255
Hankins Sink Pond
R 9 E
R 10 E
OLD RAILROAD GRADE
Mile Pond
Armstrong Pond
Florid Pond
Hanson
R 10 E
R 11 E
Duval Pond
Langford Pond
Lookout
Bonnet Lake
Cobb Pond
Peddlers Lake
254
146
Wright Pond
255


Lake Park
Francis Lake
Pond
Ocean
Pike Pond
ODY AFB
NEX
LOWNDES
ECHOLS
Knights
Branch
River
Long
Zeigler Pond
Melrose
Enoch Pond
41
7
135
11
HAMILTON CO
GEORGIA
FLORIDA
25
141
44
Lake Octahatchee
1
6
Jennings
Turkey Creek
143
150
100
129
Creek
Alligator
GEORGIA SOUTHERN AND FLORIDA
Avoca
Octahatchee
R 12 E
R 13 E
R 11 E
R 12 E
River
152
146
Little Alapaha River
Lookout
36
31
T 2 N
T 1 N
Alapaha
146
143
250
250
600
33°9
225
225
575 000 FEET
(FLA. NORTH)
T 2 N
200
200
3380000mN

Red Bay-Blakely Association
Tifton-Carnegie-Faceville Association
Norfolk-Ruston-Savannah Association
Tifton-Irvington-Lynchburg Association
Klej-Leon Association
Huckabee-Kalmia-Izagota Association
Coastal Dune Land and Beach-Tidal Marsh Association
Plummer-Rutlege-Alluvial Land-Fresh Water
Swamp-Dorovan-Pamlico Association
Lakeland-Paola-Kureb-St. Lucie-Rimini Association
Lakeland-Troup Association
Troup-Orangeburg Association
Dothan-Orangeburg Association
Red Bay-Lucy Association
Chipley-Scranton Association
Johns-Leaf Association
Salt Water Marsh-Bayvi-Dirego Association
Fuquay-Lucy-Troup Association
Dothan-Orangeburg-Tifton Association
Lakeland-Faceville Association
Chipley-Albany-Leon Association
Ardilla-Leefield-Stilson Association
Tifton-Faceville-Greenville Association
Norfolk-Ruston-Goldsboro Association
Tifton-Faceville-Marlboro Association
Lakeland-Cuthbert-Shubuta Association
Blanton-Klej-Plummer Association
Goldsboro-Lynchburg-Rains Association
Kureb-Resota-Mandarin Association
Lakeland-Foxworth-Centenary Association
Leefield-Albany-Stilson Association
Hurricane-Chipley-Albany Association
Pottsburg-Leon-Rutlege Association
Plummer-Pelham Association
Rutlege-Allanton-Pickney Association
Chipley-Albany-Stilson Association
Leon-Albany-Plummer-Chipley-Osier Association
Dunbar-Bladen Association
Dothan-Stilson-Lucy Association
Ardilla-Leefield-Pansey Association
Chipley-Albany-Blanton Association
Leon-Felda-Matmon Association
Dothan-Orangeburg-Red Bay Association
Alpin-Blanton-Eustis Association
Orangeburg-Lucy-Dothan Association
Chipley-Albany-Plummer Association
Leon-Mascotte-Rutlege Association
Broward, var.-Matmon-Osier Association
Manatee, var.-Felda, Var.-Copeland, Var. Association
Fresh Water Swamp, Shallow to Limestone Association
Salt Water Marsh and Swamp-Coastal Dunes Association
Alpin-Blanton Association
Chipley-Blanton-Swamp Association
Adamsville, var.-Chiefland-Blanton Association
Candler-Apopka Association
Jonesville-Chiefland-Archer Association
Arredondo-Gainesville Association
Hernando-Archer-Chiefland Association
Sparr-Lochloosa-Tavares Association
Adamsville-Osier Association
Bushnell-Wabasso-Felda Association

MICROCOPY RESOLUTION TEST CHART
NBS 1010a
(ANSI and ISO TEST CHART No. 2)
1.0
1.1
1.25
1.4
4.5
5.0
5.6
2.8
3.2
3.6
4.0
2.5
2.2
2.0
1.8


(GA EAST)
338
550
T 1 N
30°30′
84°00′
2 175
R 4 E
575 000 FEET (GA WEST)
2 200
600
23
R 5 E
2 225
00 000 (GA
T 2 N
T 1 N
Lois
Landing Field
Casa Blanco
SEABOARD COAST LINE
Lake Drain
Creek
TRAIL
JEEP
90
10
44
19
23
36
31
1
6

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1981

KILO

THE FLORIDA ECOLOGICAL ATLAS WAS PRODUCED BY THE U.S. FISH AND WILDLIFE SERVICE, DIVISION OF BIOLOGICAL SERVICES, NATIONAL COASTAL ECOSYSTEMS TEAM (FWS/OBS - 82/47) AND THE MINERALS MANAGEMENT SERVICE FOR COASTAL PLANNERS, DECISION MAKERS, AND THE GENERAL PUBLIC, TO DETERMINE AND EVALUATE CHANGE AND TO RESOLVE CONFLICTS AMONG LAND USES, FISH AND WILDLIFE REQUIREMENTS, AND THE MAINTENANCE OF ECOLOGICAL DIVERSITY. THE STUDY AREA INCLUDES THE COASTAL COUNTIES: ESCAMBIA, SANTA ROSA, OKALOOSA, WALTON, WASHINGTON, BAY, CALHOUN, GULF, FRANKLIN, WAKULLA, JEFFERSON, TAYLOR, DIXIE, LEVY, CITRUS AND HERNANDO, AND EXTENDS OFFSHORE APPROXIMATELY 10 MILES. THERE IS NO ATTEMPT, IN THE DESIGN OR PRODUCTS OF THIS STUDY, TO DEFINE THE LIMITS OF PROPRIETARY JURISDICTION OF ANY FEDERAL, STATE, OR LOCAL GOVERNMENT TO ESTABLISH THE GEOGRAPHICAL SCOPE OF THE REGULATORY PROGRAMS OF GOVERNMENT AGENCIES.

THIS MAP HAS BEEN COMPILED FROM A VARIETY OF SOURCE MATERIALS INCLUDING MAPS, AERIAL PHOTOS, AND REPORTS. SINCE MANY SOURCES CONTAINED GENERALIZED LOCATIONS OF RESOURCES AND OTHER MAPPED FEATURES, THE USER SHOULD NOT RELY ON THESE MAPS FOR PRECISE MEASUREMENTS OF DISTANCES OR AREAS.

PRIMARY SOURCES OF MAPPED INFORMATION:

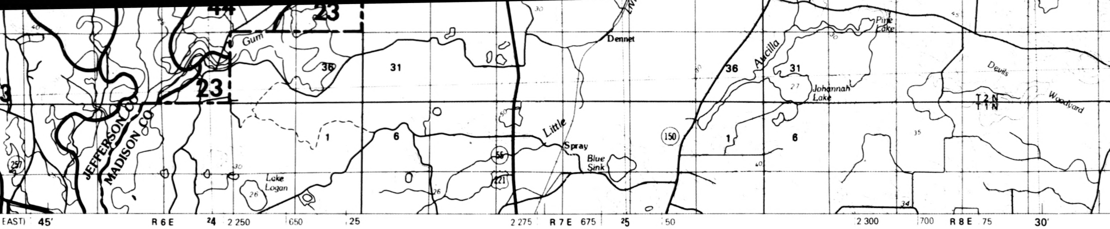
LANDFORMS: Physiographic Map of Florida,
State Bureau of Geology, 1980.

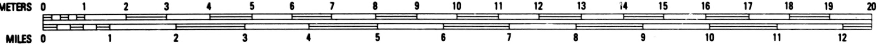
SOILS: General Soils Atlas of Florida,
Division of State Planning, 1975.
General Soils Atlas of Florida, U.S.
Soil Conservation Service, 1982.

ACTIVE DUNES: Black and White Aerial
Photography, 1:80,000 Scale, Mark Hurd
Aerial Surveys Inc., 1980.
Topographic Maps, 1:24,000 Scale, U.S.
Geological Survey, various dates.

GEOLOGIC FAULTS: Map of Escambia and
Santa Rosa Counties Showing Contours on top
of the Lower Limestone of the Floridan
Aquifer, State Bureau of Geology, 1965.

FOR COMPLETE REFERENCES SEE MAP NARRATIVE

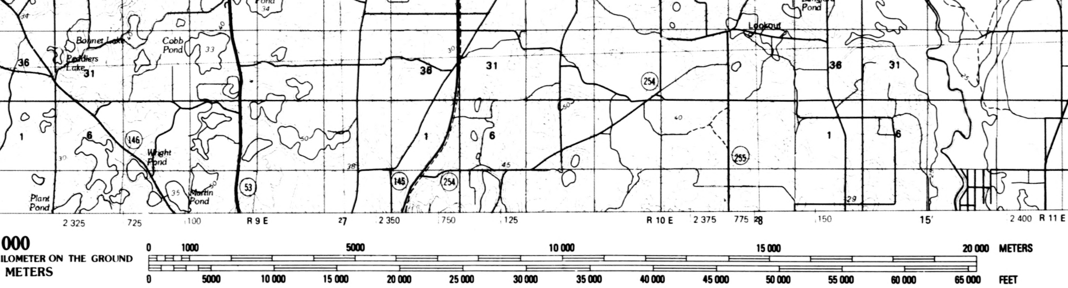

44
23
Gum
36
31
Dennet
Aucilla
36
31
Pine Lake
Johannah Lake
Devils
Woodyard
T 2 N
T 1 N
23
JEFFERSON CO
MADISON CO
1
6
Little
Spray
Blue Sink
150
1
6
55
221
257
Lake Logan
26
30
34
35
40
EAST) 45'
R 6 E
24
2 250
650
25
2 275
R 7 E
675
25
50
2 300
700
R 8 E
75
30'


METERS 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
MILES 0 1 2 3 4 5 6 7 8 9 10 11 12

SCALE 1:100

1 CENTIMETER ON THE MAP REPRESENTS 1 K

CONTOUR INTERVAL 5


Pond
34
Bonnet Lake
Cobb Pond
33
Peddlers Lake
36
31
36
31
254
36
31
Lookout
Pond
1
6
146
Wright Pond
1
6
40
255
1
6
Plant Pond
35
Martin Pond
53
38
145
254
45
29
2 325
725
100
R 9 E
27
2 350
750
125
R 10 E
2 375
775
28
150
15′
2 400
R 11 E
000
ILOMETER ON THE GROUND
METERS
0
1000
5000
10 000
15 000
20 000
METERS
0
5000
10 000
15 000
20 000
25 000
30 000
35 000
40 000
45 000
50 000
55 000
60 000
65 000
FEET

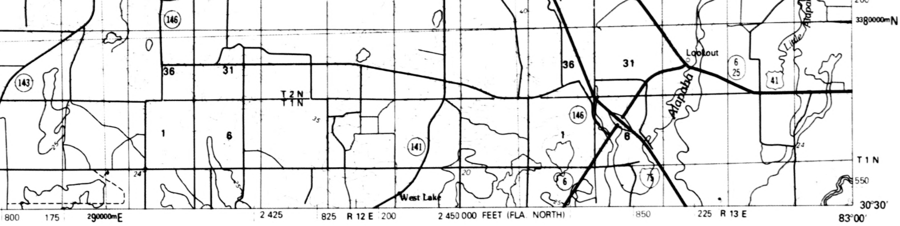
10. Plummer-Rutlege-Alluvial Land-Fresh Water Swamp-Dorovan-Pamlico Association: Nearly level, poorly drained soils with a thick surface layer overlying a loamy subsoil and very poorly drained soils that are sandy throughout.

19. Fuquay-Lucy-Troup Association: Nearly level to sloping, well drained soils with sandy layers over loamy subsoil.

23. Ardilla-Leefield-Stilson Association: Nearly level to gently sloping, somewhat poorly drained and moderately well drained sandy soils with loamy subsoil.

44. Dothan-Orangeburg-Red Bay Association: Nearly level to sloping well drained sandy or loamy soils with loamy subsoils.

E=__ft/yr ⊢‒‒‒‒‒‒⊣	BEACH EROSION AREA (Period of Record: 1 Univ. of West Florida, 1981)
A=__ft/yr ⊢――――⊣	BEACH ACCRETION AREA (Period of Record: Univ. of West Florida, 1981)
■	GULF BARRIER ISLAND
Ⓓ	ACTIVE DUNE AREA

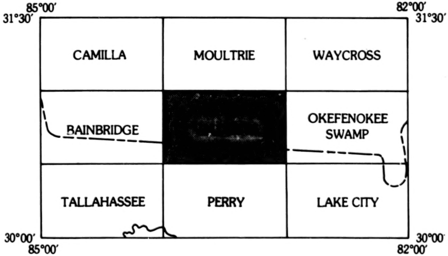


146
143
36
31
T 2 N
T 1 N
1
6
141
West Lake
Lookout
Alapaha
Little Alapaha
41
75
25
24
20
35
3380000m N
550
30°30′
800
175
290000m E
2 425
825
R 12 E
200
2 450 000 FEET (FLA. NORTH)
850
225
R 13 E
83°00′

VALDOSTA, GEORGIA–FLORIDA

N3030–W8300/30 X 60

1981



85°00′
31°30′
82°00′
31°30′
CAMILLA
MOULTRIE
WAYCROSS
BAINBRIDGE
OKEFENOKEE SWAMP
TALLAHASSEE
PERRY
LAKE CITY
30°00′
85°00′
30°00′
82°00′

957-1981;

1957-1981;

NORMAL FAULT
(Showing relative vertical movement, U, up, and D, down)

SUB-SURFACE NORMAL FAULT
(Showing relative vertical movement, U, up, and D, down)

STUDY AREA BOUNDARY

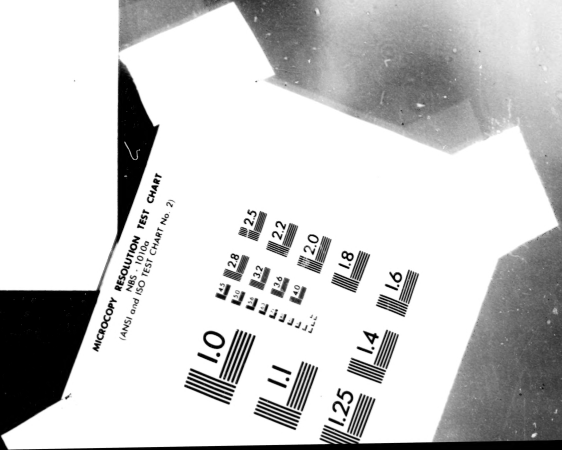
Offshore

Inland (County)

Inland (State)

53. Alpin-Blanton Association
54. Chipley-Blanton-Swamp Association
55. Adamsville, var.-Chiefland-Blanton Association
56. Candler-Apopka Association
57. Jonesville-Chiefland-Archer Association
58. Arredondo-Gainesville Association
59. Hernando-Archer-Chiefland Association
60. Sparr-Lochloosa-Tavares Association
61. Adamsville-Osier Association
62. Bushnell-Wabasso-Felda Association
63. Blichton-Flemington-Kanapaha Association
64. Leon-Mascotte-Surrency Association
65. Lynne-Pomona-Pompano Association
66. Candler-Paola-Tavares Association
67. Candler-Adamsville-Pompano Association
68. Arredondo-Kendrick Association
69. Broward-Boca Association
70. Panasoffkee-Bushnell Association
71. Myakka-Basinger Association
72. Meggett, var.-Pompano Association
73. Terra Ceia-Placid Association
74. Arredondo-Sparr-Kendrick Association
75. Candler-Lake Association
76. Masaryk Association
77. Nobleton-Blichton-Flemington Association
78. EauGallie-Wabasso-Basinger Association
79. Paisley-Floridana-Wabasso Association
80. Okeelanta-Aripeka-Terra Ceia Association
81. Homosassa-Weekiwachee-Lacoochee Association
82. Floridana-Basinger Association
83. Salt Water Marsh and Swamp Association
84. Fresh Water Swamp and Marsh Association
85. Blichton-Lochloosa-Kendrick Association
86. Paisley-Bushnell Association
87. Myakka-Pomello Association

MICROFILMED FROM
BEST AVAILABLE COPY


MICROCOPY RESOLUTION TEST CHART
NBS - 1010a
(ANSI and ISO TEST CHART No. 2)
1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0